

UV ink

## UV 171 UT2 Series

UV 171 UT2 Series are UV offset inks for the waterless plate.

### ■ Features

- Compatible with EuPIA Exclusion Policy for Printing Inks and Related Products
- Passes the Low Migration test with a certain condition
- Benzophenone free formula
- Excellent curing property and adhesion
- Stable printability
- Conform to chemical regulations such as RoHS, SVHC of REACH etc.

### ■ Handling Instruction

- Keep away from direct sunlight.
- Store in a cool and dark place (below 30°C).
- Ink adhesion on substrate varies depending on its materials and its surface condition. Please confirm it through preliminary test.
- Even though the ink is designed for low-migration, there may be trace depending on the printing condition.
- Gluing and hot stamping can be done depending on the conditions. Carefully select glue and foil. Always pretest glue and foil for required quality.
- The ink is developed to not cause any adverse effects on human body. However, in case of some people, leaving the ink on body or clothes for long time may cause rash. Wear protective gear when handling the ink and wash your hands after completing the job.
- Read SDS carefully before use.

### ■ General properties

Color*	Lightfastness		Heat Resistance	Soap Resistance	Solvent Resistance
	Masstone	Dilution			
PROCESS YELLOW H	4	3	4	5	5
PROCESS MAGENTA H	4~5*	3*	4	2	4
PROCESS CYAN H	8	7	5	5	5
PROCESS BLACK H	7	4	5	2	2
P YELLOW H	4	3	4	5	5
P 021 ORANGE H	8	7	5	5	5
P WARM RED H	3*	2*	4	1	3
P 032 RED H	5~6	4	3	5	2
P RUBINE RED H	4~5*	3*	4	2	4
P RHODAMINE RED H	4*	2*	2	1	2
P PURPLE H	4*	2*	2	1	2
P VIOLET H	4*	2*	2	1	2
P 072 BLUE R	4*	2*	2	1	2
P 072 BLUE H	4*	2*	2	1	2

The data contained herein are based on the results of the tests conducted in accordance with the in-house test methods and are not standard values. Always conduct pre-use tests to ascertain the suitability of the product for your requirements. Nothing contained herein is to be construed as a recommendation for use in violation of any patents, applicable laws or regulations. It is the responsibility of the user to comply in all respects with applicable laws and regulations. Owing to product improvement the information contained herein may be modified without any prior notice. Make sure to read SDS thoroughly before using the product.

P REFLEX BLUE H	4*	2*	2	1	2
P PROCESS BLUE H	8	7	5	5	5
P GREEN H	8	7~8	5	5	5
OPAQUE WHITE H	8	7	5	5	5
TRANS WHITE H	8	-	5	5	5
DENSE BLACK H	7~8	7	5	5	5

Evaluation: Lightfastness 8(excellent)↔1(poor); Other Resistances: 5(excellent)↔1(poor)

\*Lightfastness deteriorates significantly when getting wet with water.

#### Test method

*Lightfastness:* Evaluate the lightfastness of printed matter by Fade-O-Meter. Classify the resistance on a scale from 1 to 8 based on the exposure time and the degree of fading. “Masstone” were tested without dilution, and “Dilution” by diluting them 10 times in a trans white.

*Heat Resistance:* Expose printed matter to 150 degrees (Celsius) heat in a drying oven for 10 minutes. Classify the resistance on a scale from 1 to 5 based on fading.

*Soap Resistance:* Applied 10% soap gel at 20~25 degrees (Celsius) to printed matter for 1 hour. Classify the resistance on a scale from 1 to 5 based on the degree of fading and bleeding in the soap gel.

*Solvent Resistance:* Immersed printed matter for 24 hours in a mixture of toluene and acetone in a 1:1 ratio at 20-25 degrees (Celsius). Classify the resistance on a scale from 1 to 5 based on the degree of fading and bleeding in the mixture.

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